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Fig. 1

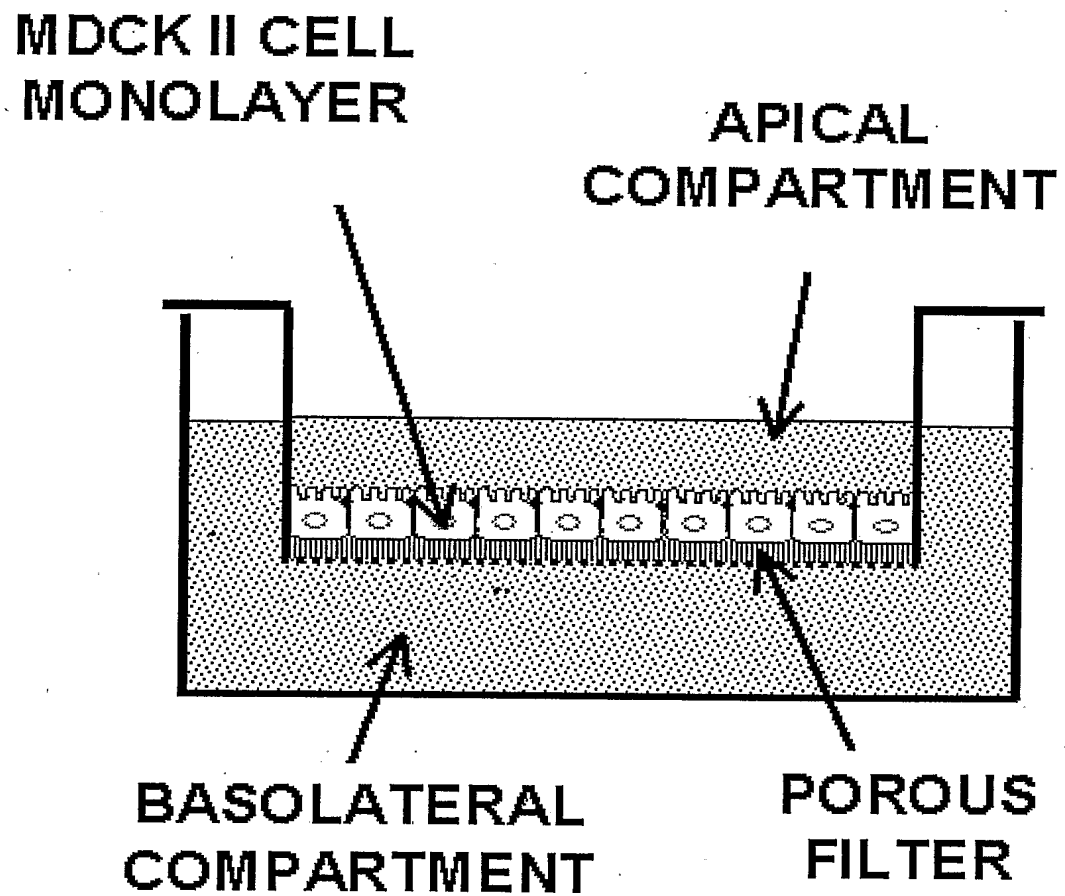


Fig. 2

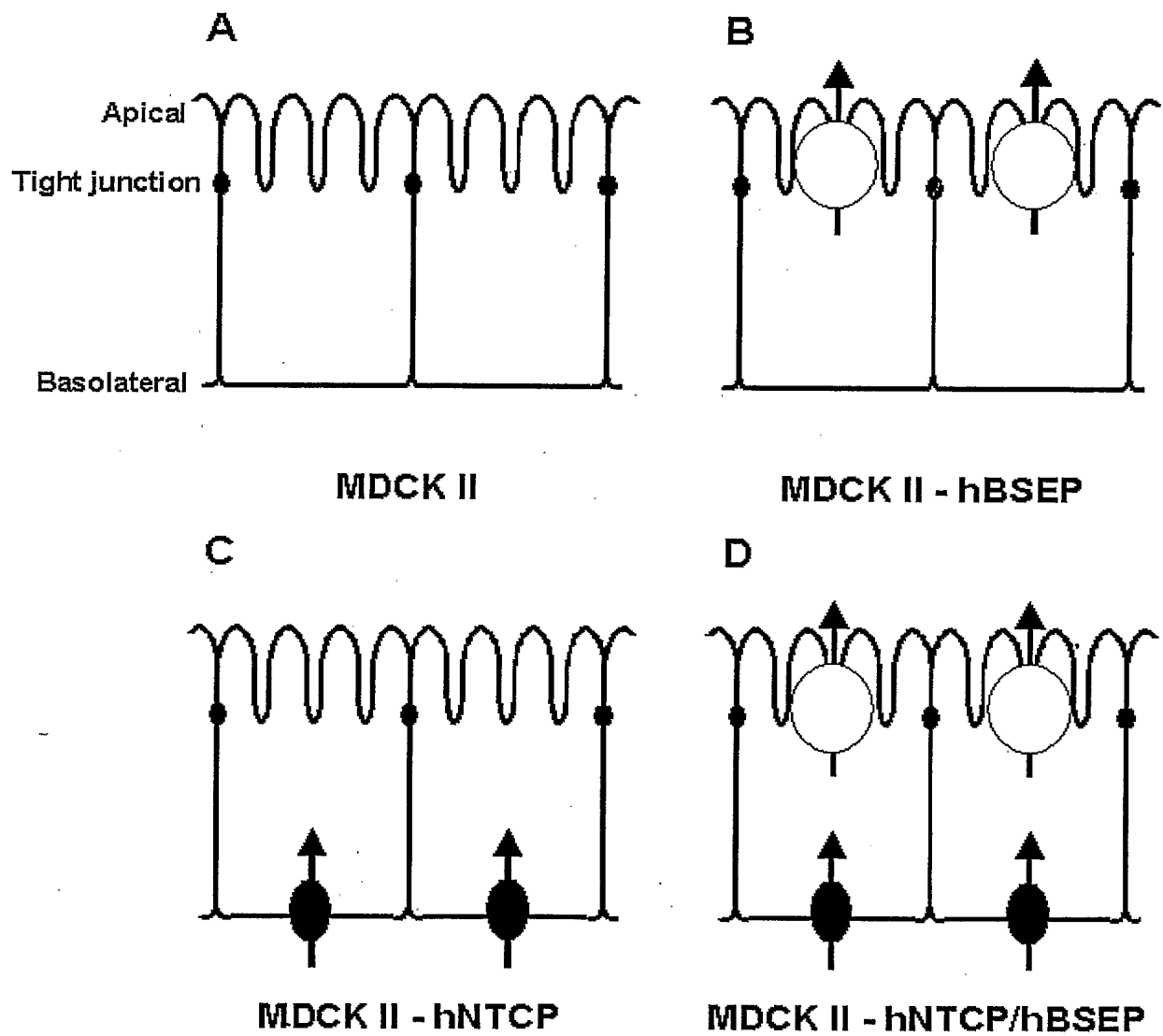


Fig 3

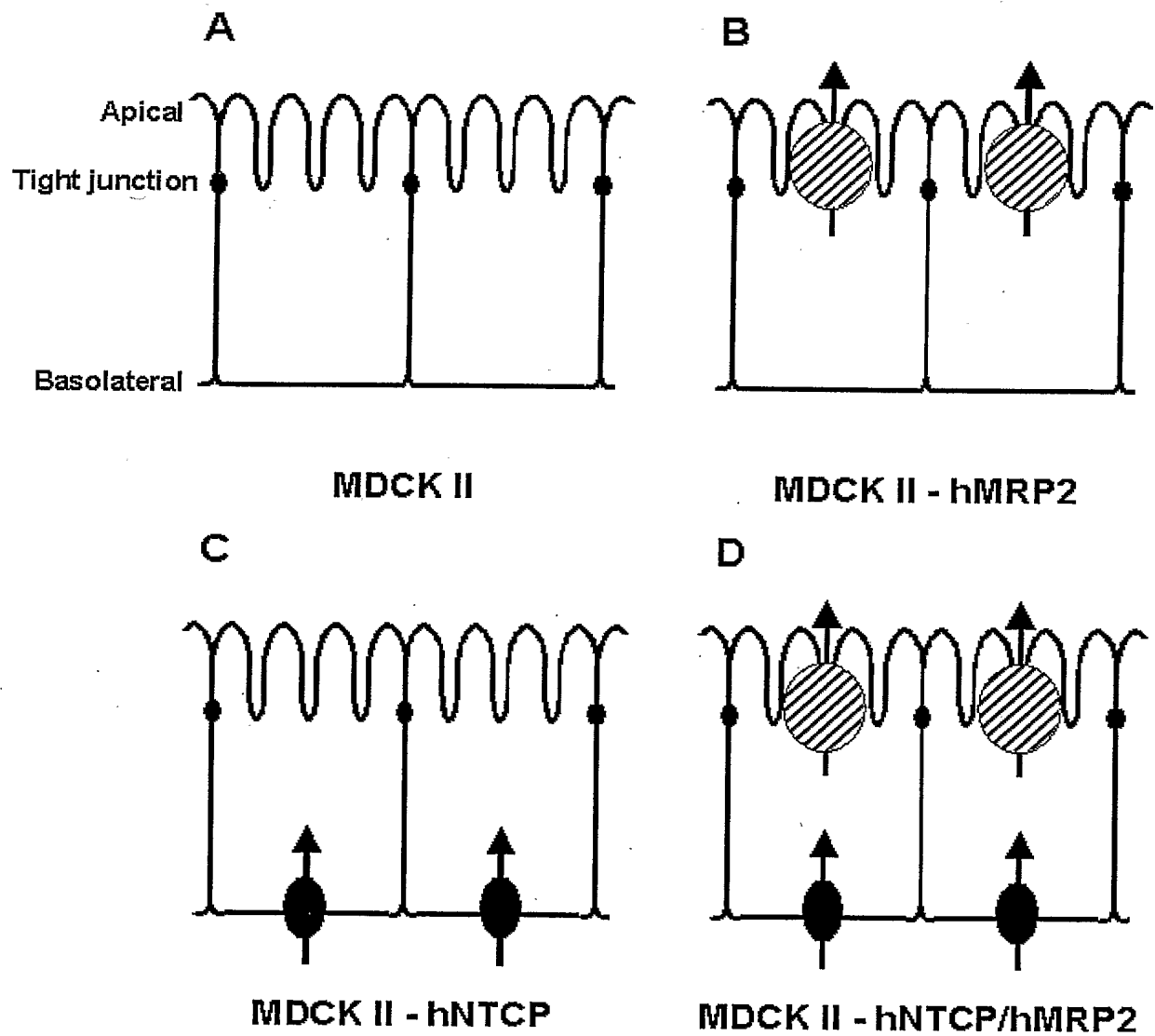
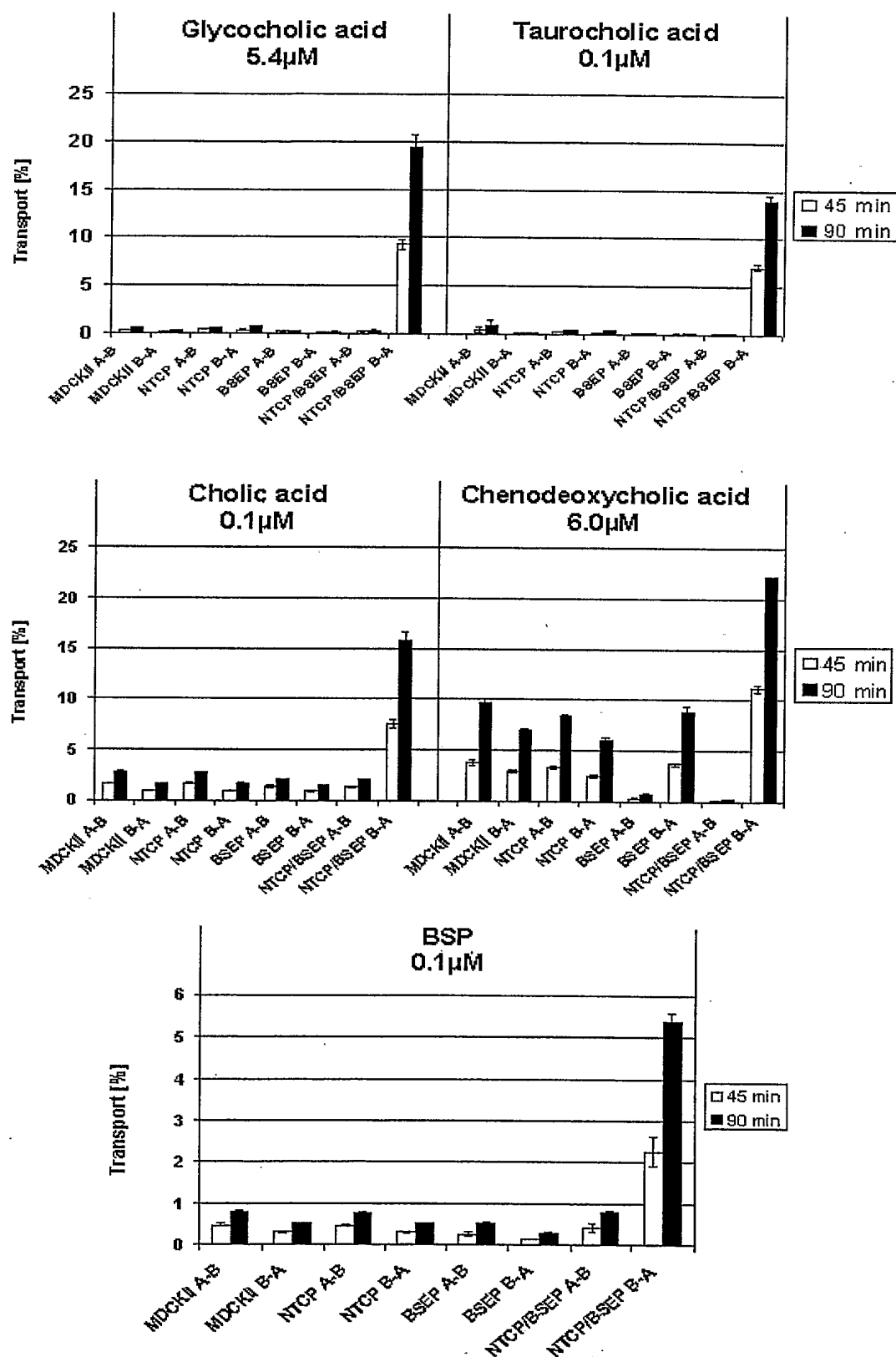


Fig. 4

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Fig. 5

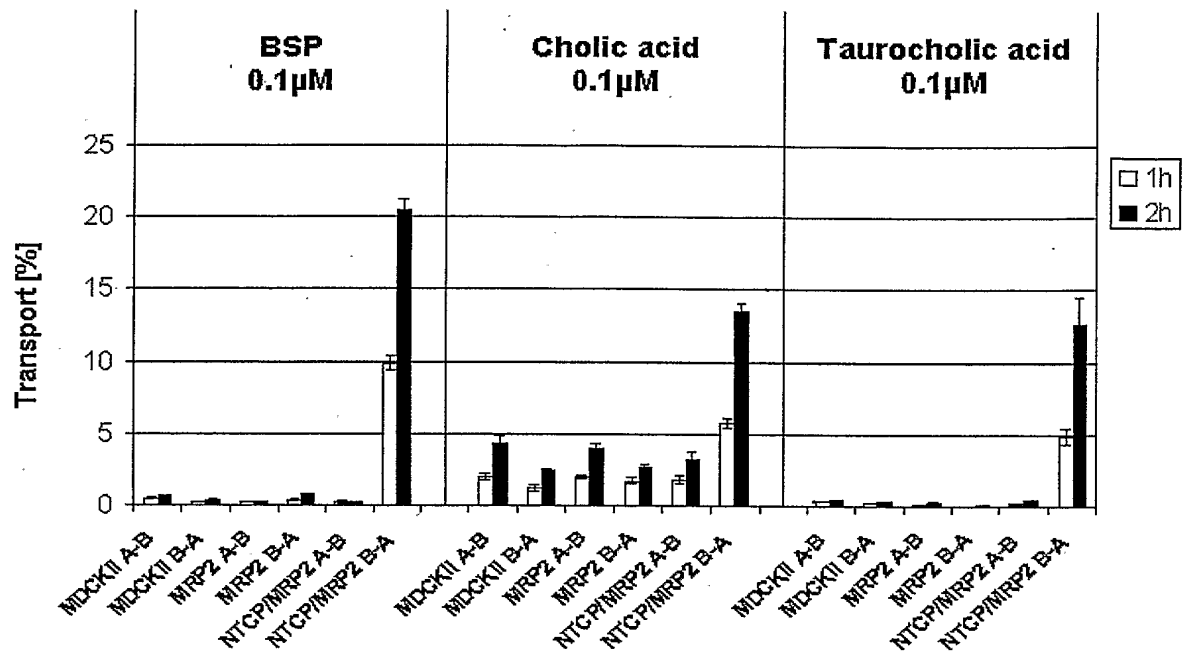


Fig. 6

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GCTATGTCATCAAGGGAGGGATGATCATCATTCTCTTGTGCAGTGTGGCCGTACAGTTCTCTCTGCCATCAATGTGGGG
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Fig. 7

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Fig. 8

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Fig. 9

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Fig. 10

GACGGATCGGGAGATCTCCCGATCCCCTATGGTCGACTCTCAGTACAATCTGCTCTGATGCCGCATAGTTAAGCCAGTAT
CTGCTCCCTGCTTGTGTGTTGGAGGTCGCTGAGTAGTGCGCGAGCAAAATTTAAGCTACAACAAGGCAAGGCTTGACCGA
CAATTGCATGAAGAATCTGCTTAGGGTTAGGCGTTTTGCGCTGCTTCGCGATGTACGGGCCAGATATACGCGTTGACATT
GATTATTGACTAGTTATTAATAGTAATCAATTACGGGGTCATTAGTTCATAGCCCATATATGGAGTTCGCGTTACATAA
CTTACGGTAAATGGCCCGCCTGGCTGACCGCCCAACGACCCCGCCCATTGACGTCAATAATGACGTATGTTCCCATAGT
AACGCCAATAGGGACTTTCCATTGACGTCAATGGGTGGACTATTTACGGTAAACTGCCCACTTGGCAGTACATCAAGTGT
ATCATATGCCAAGTACGCCCCCTATTGACGTCAATGACGGTAAATGGCCCGCCTGGCATTATGCCCAGTACATGACCTTA
TGGGACTTTCTACTTGGCAGTACATCTACGTATTAGTCATCGCTATTACCATGGTGATGCGGTTTTTGGCAGTACATCAA
TGGGCGTGGATAGCGGTTTGACTCACGGGGATTTCCAAGTCTCCACCCCATTGACGTCAATGGGAGTTTTGTTTTGGCACC
AAAATCAACGGGACTTTCCAAAATGTGTAACAACCTCCGCCCCATTGACGCAAAATGGGCGGTAGGCGTGTACGGTGGGAG
GTCTATATAAGCAGAGCTCTCTGGCTAACTAGAGAACCCACTGCTTACTGGCTTATCGAAATTAATACGACTCACTATAG
GGAGACCCAAGCTGGCTAGCGTTTAACTTAAGCTATCACAAGTTTGTACAAAAAGCAGGCTTAGGAATGTCTGACTCA
GTAATTCTTCGAAGTATAAAGAAATTTGGAGAGGAGAATGATGGTTTTGAGTCAGATAAATCATATAATAATGATAAGAA
ATCAAGGTTACAAGATGAGAAGAAAGGTGATGGCGTTAGAGTTGGCTTCTTTCAATTGTTTTCGGTTTTCTTCATCAACTG
ACATTTGGCTGATGTTTTGTGGGAAGTTTTGTGTGCATTTCTCCATGGAATAGCCAGCCAGGCGTGCTACTCATTTTTTGGC
ACAATGACAGATGTTTTTATTGACTACGACGTTGAGTTACAAGAACTCCAGATTCCAGGAAAAGCATGTGTGAATAACAC
CATTGTATGGACTAACAGTTCCCTCAACCAGAACATGACAAATGGAACACGTTGTGGGTTGCTGAACATCGAGAGCGAAA
TGATCAAATTTGCCAGTTACTATGCTGGAATTGCTGTGCGAGTACTTATCACAGGATATATTCAAATATGCTTTTGGGTC
ATTGCCCGAGCTCGTCAGATACAGAAAATGAGAAAATTTTACTTTAGGAGAATAATGAGAATGGAATAGGGTGGTTTTGA
CTGCAATTCAGTGGGGGAGCTGAATACAAGATTCTCTGATGATATTAATAAAATCAATGATGCCATAGCTGACCAAATGG
CCCTTTTTCATTACGCGCATGACCTCGACCATCTGTGGTTTTCTGTTGGGATTTTTTCAGGGGTTGGAACTGACCTTGGTT
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GAAGGCCTATGCCAAAGCAGGGGTGGTGGCTGATGAAGTCATTTTCATCAATGAGAACAGTGGCTGCTTTTGGTGGTGAGA
AAAGAGAGGTTGAAAGGTATGAGAAAAATCTTGTGTTTCGCCCAGCGTTGGGGAATTAGAAAAGGAATAGTGATGGGATTC
TTTACTGGATTCTGTGTGGTGTCTCATCTTTTTGTGTTATGCACTGGCCTTCTGGTACGGCTCCACACTGTCTCTGGATGA
AGGAGAATATACACCAGGAACCCCTGTCCAGATTTTCTCAGTGTCTAGTAGGAGCTTTAAATCTTGGCAATGCCTCTC
CTTGTTTGAAGCCTTTGCAACTGGACGTGCAGCAGCCACCAGCATTTTTGAGACAATAGACAGGAAACCCATCATTGAC
TGCATGTGAGAAGATGGTTACAAGTTGGATCGAATCAAGGGTGAATTAATCCATAATGTGACCTTCCATTATCCTTC
CAGACCAGAGGTGAAGATTCTAAATGACCTCAACATGGCCATTAAACCAGGGGAAATGACAGCTCTGGTAGGACCCAGTG
GAGCTGGAAAAAGTACAGCACTGCAACTCATTGACGATTCTATGACCCCTGTGAAGGAATGGTGACCGTGGATGGCCAT
GACATTGCTCTCTTAAACATTGAGTGGCTTAGAGATCAGATTGGGATAGTGGAGCAAGAGCCAGTTCTGTTCTCTACCAC
CATTGCAGAAAATATTCGCTATGGCAGAGAAGATGCAACAATGGAAGACATAGTCCAAGCTGCCAAGGAGGCCAATGCCT
ACAACCTTCATCATGGACCTGCCACAGCAATTTGACACCCCTGTTGGAGAAGGAGGAGGCCAGATGAGTGGTGGCCAGAAA
CAAAGGGTAGCTATCGCCAGAGCCCTCATCCGAAATCCCAAGATTCTGCTTTTGGACATGGCCACCTCAGCTCTGGACAA
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TGCAACTGAAGATGACATGCTTGCGAGGACCTTTAGCAGAGGGAGCTACCAGGATAGTTTAAGGGCTTCCATCCGGCAAC
GCTCCAAGTCTCAGCTTTCTTACCTGGTGCACGAACCTCCATTAGCTGTTGTAGATCATAAGTCTACCTATGAAGAAGAT
AGAAAGGACAAGGACATTCCTGTGCAGGAAGAAGTTGAACCTGCCCCAGTTAGGAGGATTCTGAAATTCAGTGCTCCAGA

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ATGGCCCTACATGCTGGTAGGGTCTGTGGGTGCAGCTGTGAACGGGACAGTCACACCCTTGTATGCCTTTTTATTTCAGCC
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CAACAAGACTTGCTACAGATGCTTCCCAAGTTCAAGGGGCTGCCGGCTCTCAGATCGGGATGATAGTCAATTCTTTCACCT
AACGTCACCTGTGGCCATGATCATTGCCTTCTCCTTTAGCTGGAAGCTGAGCCTGGTCATCTTGTGCTTCTTCCCTTCTT
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AGGTTGCTCTAGACAAAGCCAGAGAGGGTCGGACCTGCATTGTCTATTGCCCATCGCTTGTCCACCATCCAGAACGCGGAT
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CGGGCCGGCCATGACCGAGATCGGCGAGCAGCCGTGGGGGCGGGAGTTTCGCCCTGCGCGACCCGGCCGGCAACTGCGTGC
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TCATGGTCATAGCTGTTTCTGTGTGAAATTGTTATCCGCTCACAATTCCACACAACATACGAGCCGGAAGCATAAAGTG
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TGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCGCGGGGAGAGGCGGTTTGCCTATTGGGCGCTCTTCCGCTTCTCG
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TCTTCAGCATCTTTTACTTTTACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAAAGGGAATAAG
GGGACACGGAAATGTGAATACTCATACTCTCCTTTTTCAATATTATTGAAGCATTTATCAGGGTTATTGTCTCATGA
GCGGATACATATTTGAATGTATTTAGAAAAATAAACAAATAGGGGTTCGCGCACATTTCCCCGAAAAGTGCCACCTGAC
GTC

Fig. 11

GACGGATCGGGAGATCTCCCGATCCCCATGGTTCGACTCTCAGTACAATCTGCTCTGATGCCGCATAGTTAAGCCAGTAT
CTGCTCCCTGCTTGTGTGTTGGAGGTCGCTGAGTAGTGCGCGAGCAAAATTTAAGCTACAACAAGGCAAGGCTTGACCGA
CAATTGCATGAAGAATCTGCTTAGGGTTAGGCGTTTTGCGCTGCTTCGCGATGTACGGGCCAGATATACGCGTTGACATT
GATTATTGACTAGTTATTAATAGTAATCAATTACGGGGTCATTAGTTCATAGCCCATATATGGAGTTCCGCGTTACATAA
CTTACGGTAAATGGCCCCGCTGGCTGACCGCCCAACGACCCCCGCCATTGACGTCAATAATGACGTATGTTCCCATAGT
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CCTGTCTGTTGATATACCAATCCAAGCCTCTACCTAGGCACATGGCTCCTGGTTTTGCTGATCCAATACAGCAGACAATG
GTGTGTACAGAAAACTCCTGGTTCCTGTCCCTATTCTGGATTCTCTCGATACTCTGTGGCACTTTCCAATTTGAGACTC
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AGGAAGCCACAGTCCATGATGGCAGTGAAGAAGAAGACGATGACTATGGGCTGATATCCAGTGTGGAAGAGATCCCCGAA
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CGAGGCCGCTCTGCCTCTGAGCTATTCCAGAAGTAGTGAGGAGGCTTTTTTGGAGGCCCTAGGCTTTTGCAAAAAGCTCC
CGGGAGCTTGATATCCATTTTCGATCTGATCAGCACGTGTTGACAATTAATCATCGGCATAGTATATCGGCATAGTAT

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AATACGACAAGGTGAGGAACTAAACCATGGCCAAGTTGACCAGTGCCGTTCCGGTGCTACCCGCGCGGACGTCGCCGGA
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